



## H1 2016 key data



TAURON Group's H1 2016 results				
[PLN m]		H1 2016 / H1 2015		
Sales revenue	8 943	<b>4</b> (3)%		
EBITDA	1 653	<b>4</b> (13)%		
Net profit*	3	<b>4</b> (99,5)%		
CAPEX	1 452	<b>4</b> (18)%		
Net debt/EBITDA	2.58x	up 0.61x (vs 30.06.2015)		

H1 2016 operating data						
H1 2016 / H1 2015						
Commercial coal production [t m]	2.48	<b>1</b> 23%**				
Electricity generation [TWh]	8.45	<b>4</b> (4)%				
Heat generation [PJ]	6.43	<b>↓</b> (6)%				
Electricity distribution [TWh]	24.77	<b>1</b> %				
Electricity supply [TWh]	15.58	<b>4</b> (14)%				

## Q2 2016 key data



TAURON Group's Q2 2016 results					
[PLN m]		Q2 2016 / Q2 2015			
Sales revenue	4 296	<b>4</b> )%			
EBITDA	780	<b>4</b> (13)%			
Net profit*	(320)	<b>.</b> -			
CAPEX	798	<b>4</b> (18)%			
Net debt/EBITDA	2.58x	up 0.61x (vs 30.06.2015)			

Q2 2016 operating data						
		Q2 2016 / Q2 2015				
Commercial coal production [t m]	1.27	<b>1</b> 22%**				
Electricity generation [TWh]	4.14	<b>↓</b> (5)%				
Heat generation [PJ]	1.59	<b>↓</b> (5)%				
Electricity distribution [TWh]	12.04	<b>(</b> 0.4)%				
Electricity supply [TWh]	7.21	<b>↓</b> (16)%				

# Highlights summary



January 29	EC Stalowa Wola terminates the agreement with Abener Energia – the general contractor of the CCGT unit at Stalowa Wola.  Termination cause: breach of the schedule and of the material technical provisions of the contract
March 9	Adoption of the 2016-2018 efficiency improvement program with the total planned value of PLN 1.3bn. Program's implementation will allow for increasing the Group's EBITDA by approximately PLN 400m in 2018 (a permanent, recurring effect of this magnitude in the subsequent years)
March 22	Agreements were signed with bondholders holding 6 937 TPEA1119 series bonds (39.64 percent of the total nominal value of all of this series bonds). The bondholders undertook that during the term of the agreements they would take part in every meeting of bondholders and vote against passing a resolution that would allow the bondholders to demand from the company an early redemption of the bonds (in conjunction with the potential case of the leverage ratio exceeding 3.0x, provided this ratio does not exceed 3.5x)
April 25	Adoption by the Management Board of TAURON Group's new Business Model
April June	Launch of the first long-wall coal face at Nowe Brzeszcze Grupa TAURON coal mine – with estimated coal reserves of approx. 643 thousand tons, planned coal extraction volume: 4 thousand tons per day  Launch of the second long-wall coal face at Nowe Brzeszcze Grupa TAURON coal mine – with estimated coal reserves of approx. 400 thousand tons, planned coal extraction volume: 5 thousand tons per day
July 26	Decision to book write-offs of impaired wind farms and conventional generation assets for the total net amount of approx. PLN 0.7bn
July 28	Resignation from the construction of a CCGT generation unit at Elektrownia Blachownia

### Macroeconomic and market situation



Poland's GDP growth rate\* and manufacturing PMI (quarterly average)\*\*



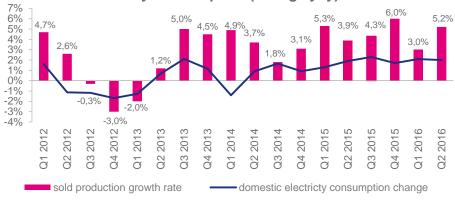
#### Electricity prices under one year BASE contracts

	Average price [PLN/MWh]	Volume [GWh]
Y-13	191.60	108 861
Y-14	160.40	142 841
Y-15	168.11	146 932
Y-16	166.47	147 923
Y-17	160.69	46 936
Y-18	158.68	5 484
Y-19	162.62	342

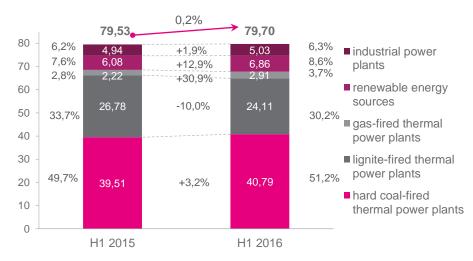
Average electricity sales prices on the competitive market (acc. to ERO):

- 2012: PLN 201.36/MWh
- 2013: PLN 181.55/MWh
- 2014: PLN 163.58/MWh
- 2015: PLN 169.99/MWh
- Q1 2016: PLN 167.45/MWh

### Increase of manufacturing production sold\* and electricity consumption (change yoy)\*\*\*



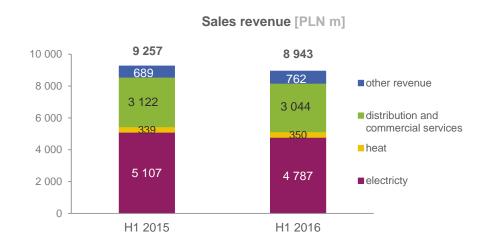
#### Structure of electricity generation in Poland\*\*\* [TWh]



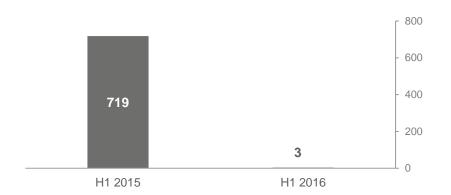
January-June 2016 cumulative accrual data

## H1 2016 key financial data

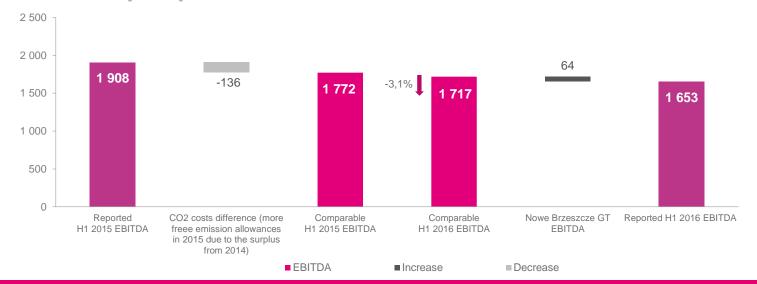




## Net profit attributable to the parent company's shareholders [PLN m]



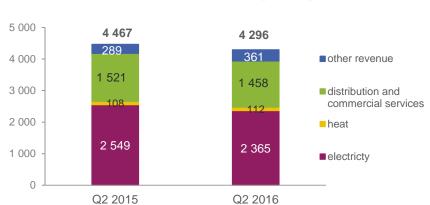
#### H1 2016 vs H1 2015 EBITDA [PLN m]



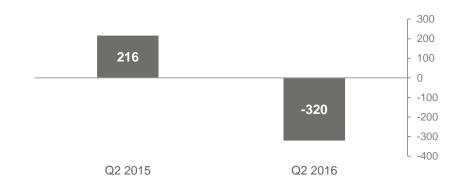
## Q2 2016 key financial data



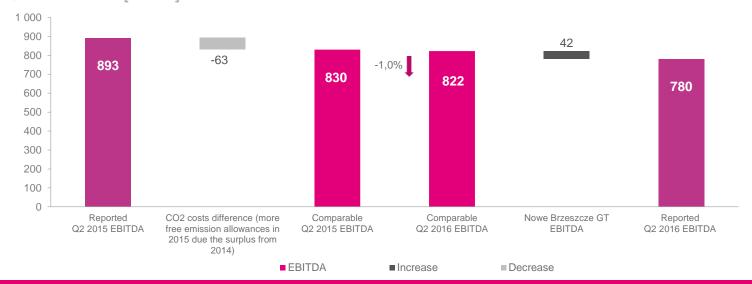




### Net profit attributable to the parent company's shareholders [PLN m]



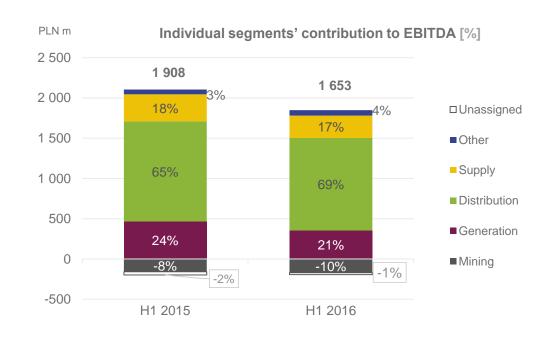
#### Q2 2016 vs Q2 2015 EBITDA [PLN m]



## H1 2016 key segments results



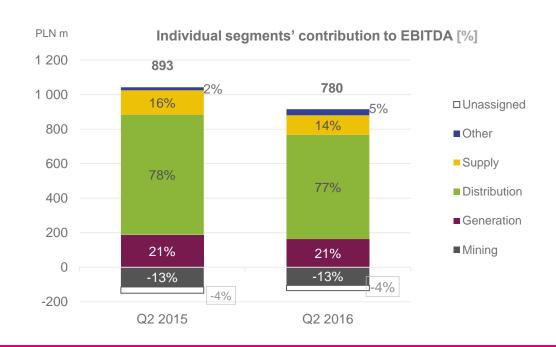
[PLN m]	Distribution	Supply	Generation	Mining
Segment's revenue	3 145	6 987	2 343	512
EBITDA	1 148	280	354	(169)
EBIT	644	274	(558)	(231)
CAPEX	744	1	600	91



## Q2 2016 key segments results

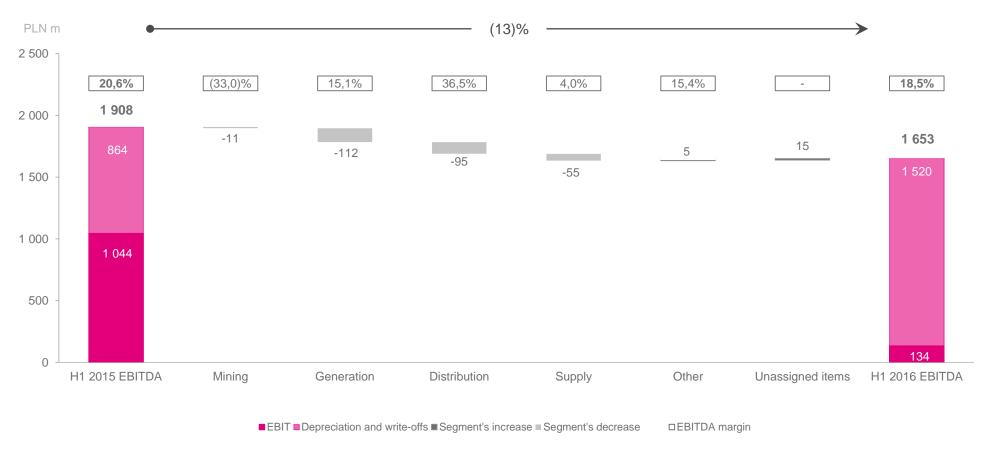


[PLN m]	Distribution	Supply	Generation	Mining
Segment's revenue	1 528	3 396	1 071	258
EBITDA	604	113	163	(104)
EBIT	352	114	(648)	(127)
CAPEX	416	0	344	27



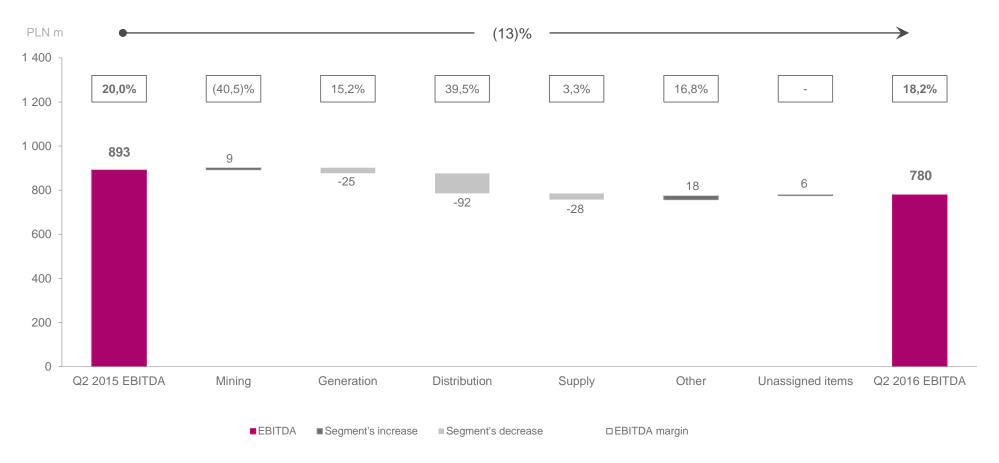
### H1 2016 EBITDA



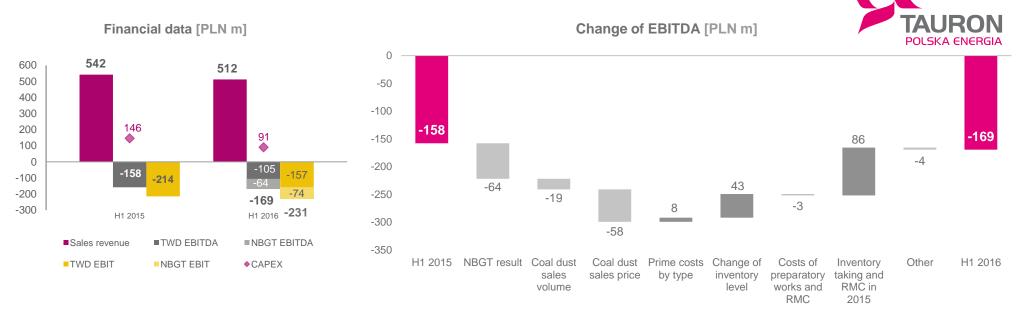


### **Q2 2016 EBITDA**

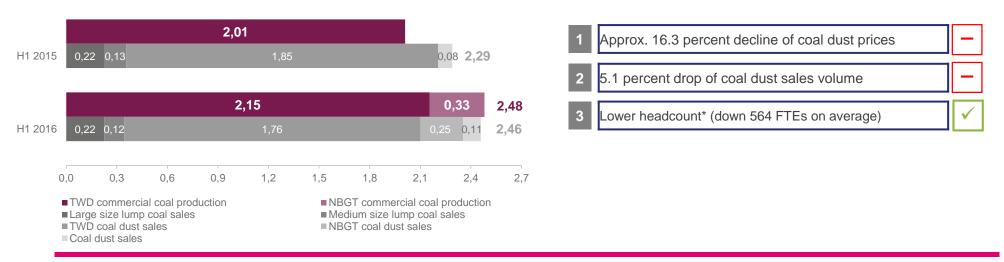




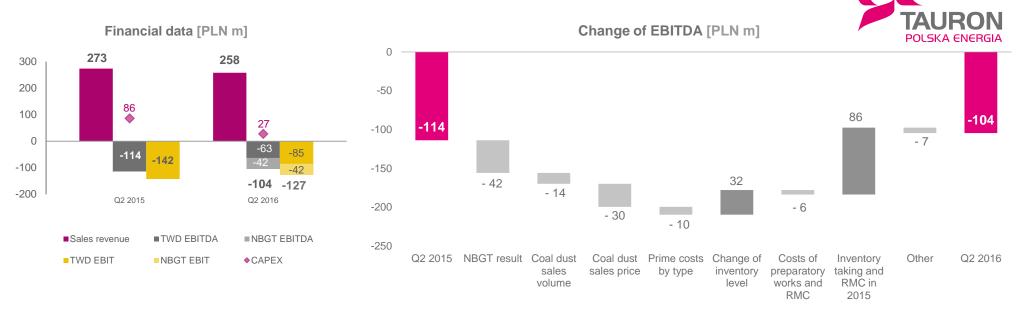
## Mining – H1 2016



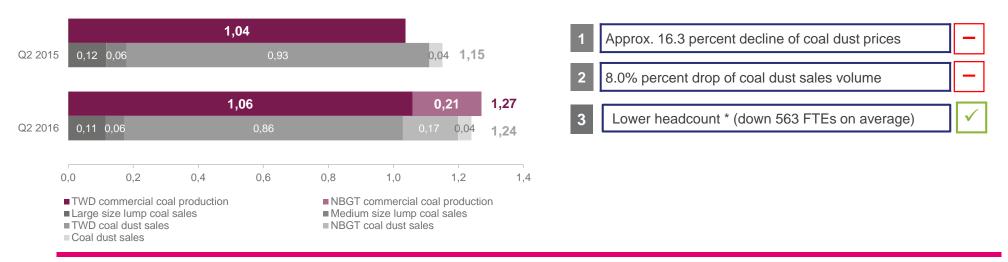
### Commercial coal production volume vs sales per product [Mg m]



## Mining – Q2 2016

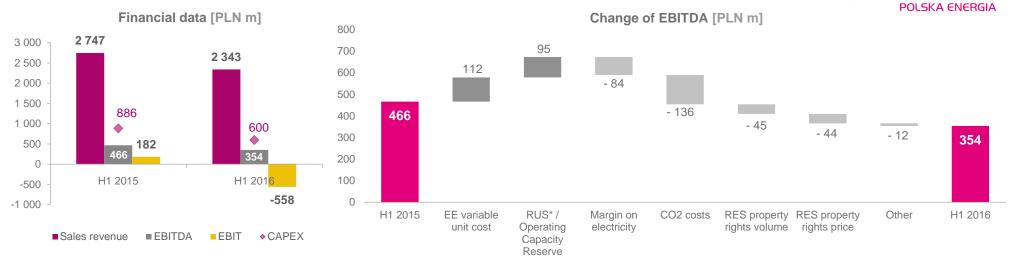


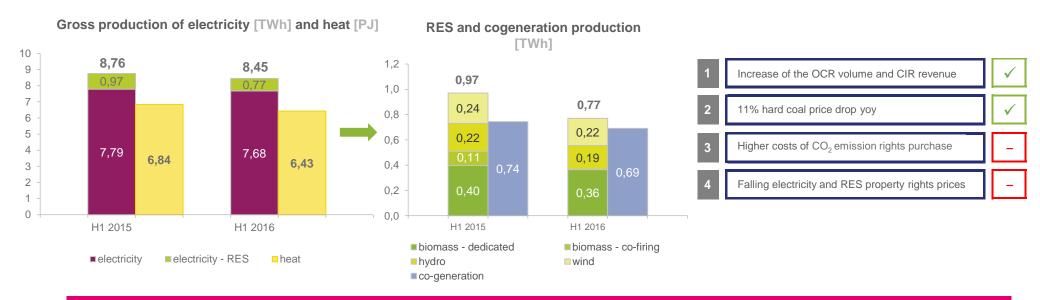
### Commercial coal production volume vs sales per product [Mg m]



### Generation – H1 2016

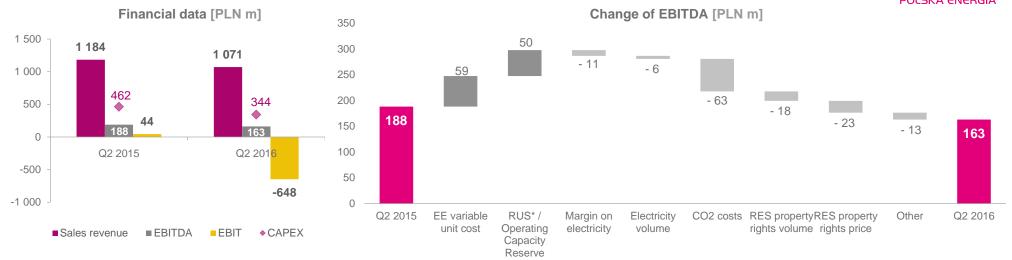


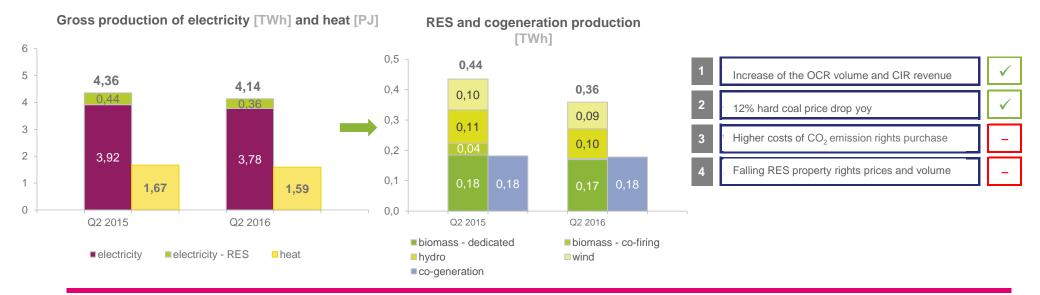




### Generation – Q2 2016



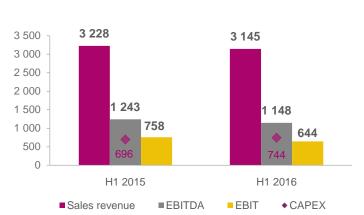




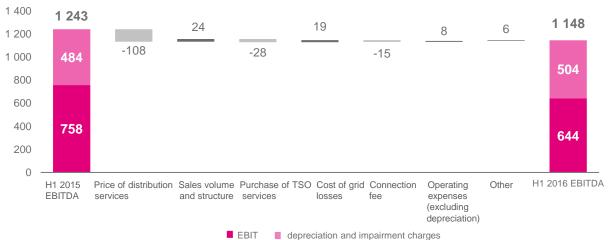
### Distribution – H1 2016







#### Change of EBITDA [PLN m]



#### Electricity distribution to end users



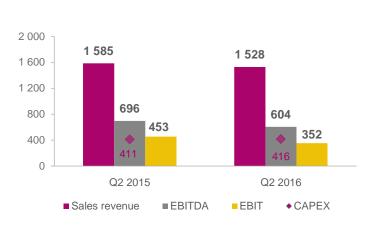
- 1 Approved tariff decline by PLN 3.6/ MWh (2.9%) on average
- 327 GWh (1.4%) higher distribution services sales volume, mainly the result of rising manufacturing output
- 13% increase of the quality fee rate included in the cost of purchasing the transmission services
- Balancing difference optimization balancing price decline (by 16.5%) and grid losses factor drop (by 0.47 pp)



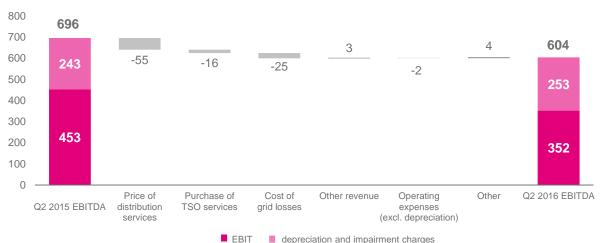
### Distribution – Q2 2016







#### Change of EBITDA [PLN m]



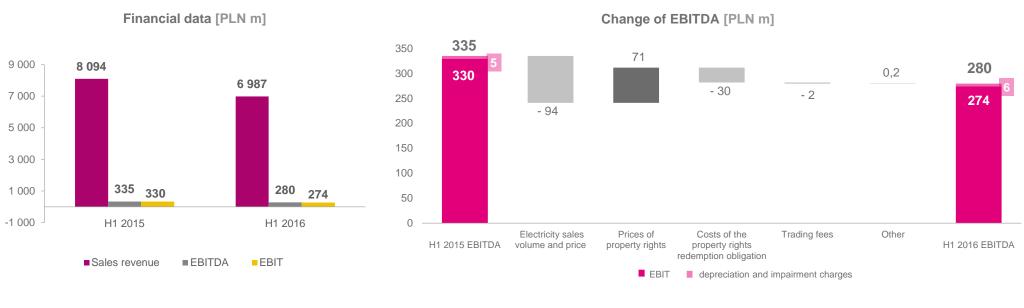
#### Electricity distribution to end users

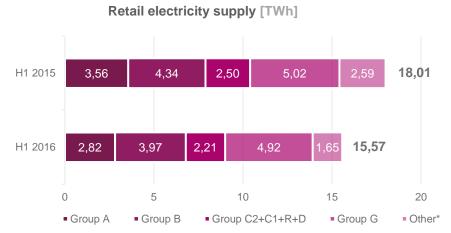


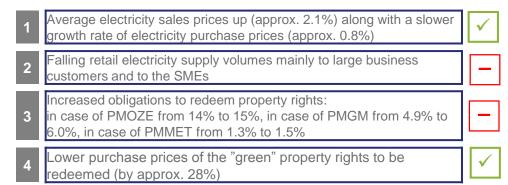
- 1 Approved tariff decline by PLN 3.6/ MWh (2.9%) on average
- 13% increase of the quality fee rate included in the cost of purchasing the transmission services
- Rising costs of the grid losses (a one-off inclusion in Q2 2015 of the settlement of electricity distribution volume (increase) in conjunction with the commissioning of the comprehensive billing system, approx. PLN 60m), balancing price decline (by approx. 11.5%)

## Supply – H1 2016





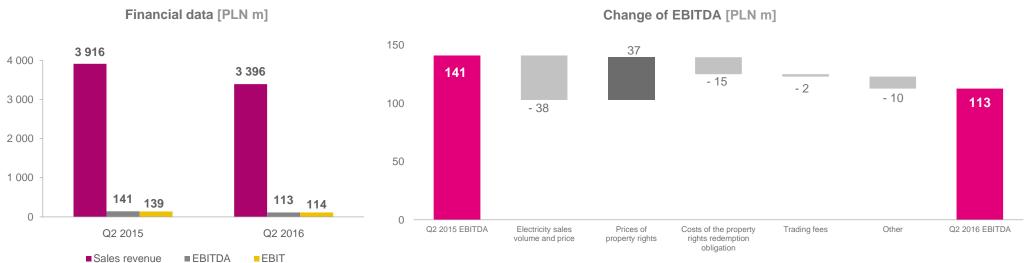


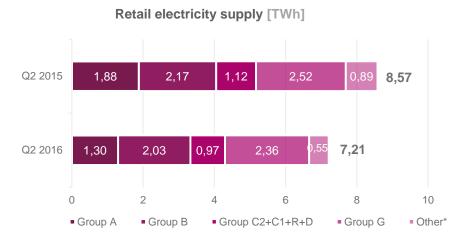


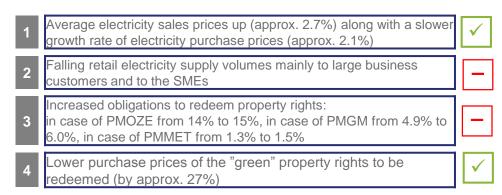
<sup>\*</sup> includes sales to cover the balancing difference and to the intra-Group end users

## Supply – Q2 2016









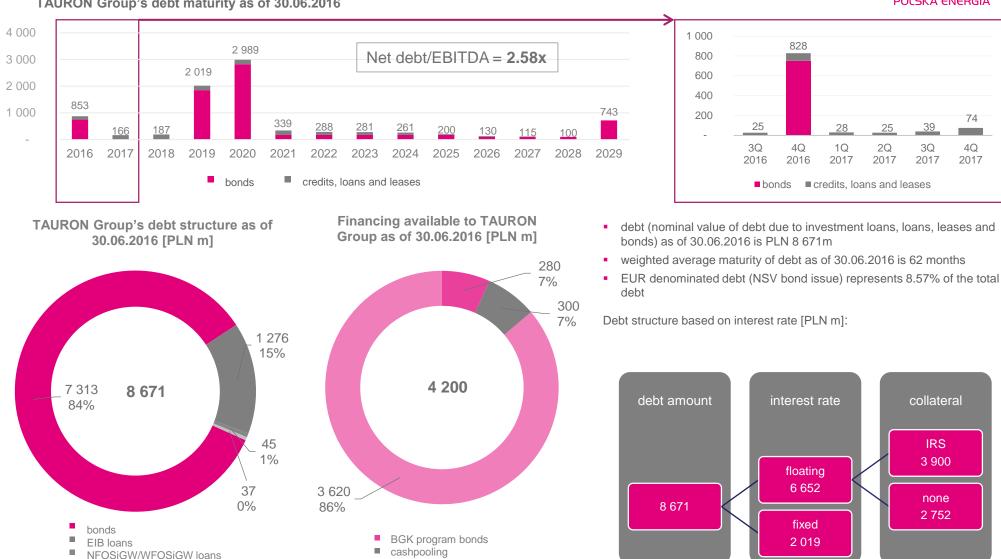
<sup>\*</sup> includes sales to cover the balancing difference and to the intra-Group end users

## Debt and financing

leases



#### TAURON Group's debt maturity as of 30.06.2016



banks program bonds

# CAPEX – key projects' work progress



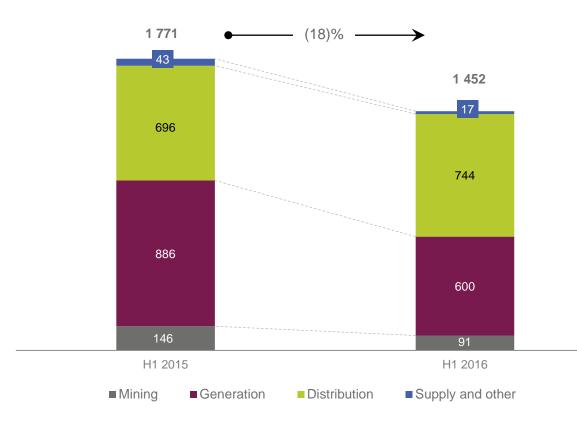
Investment project	Capacity (MW <sub>e</sub> )	Capacity (MW <sub>t</sub> )	Work p (perce	rogress ntage)	Planned completion date
Construction of the hard coal-fired unit at Jaworzno III Power Plant	910	-	21		2019
Construction of the CCGT unit at Stalowa Wola Combined Heat and Power Plant	450	240	85		2018/2019*
Construction of the hard coal-fired co-generation unit at ZW Tychy	50	86	100		2016
Jaworzno III Power Plant – installing of the flue gas denitrification systems and upgrading of the 200 MW units	-	-	93		2016
Construction of the CCGT unit at Łagisza Power Plant	413	250	5		2019
Construction of the 800m level at Janina coal mine	-	-	41		2020
Construction of Grzegorz shaft at Sobieski coal mine	-	-	20		2023

<sup>\*</sup> Completion date will be estimated following the inventory taking and acceptance of the comprehensive project completion concept

## CAPEX per segment



#### CAPEX per segment [PLN m]



#### Key investment projects underway in H1 2016:

#### Mining:

- construction of the 800 m level at Janina coal mine (PLN 26m),
- construction of the Grzegorz shaft at Sobieski coal mine (PLN 17m)
- Nowe Brzeszcze Grupa TAURON (PLN 4m)

#### Generation:

- construction of new 910 MW capacity at Jaworzno Power Plant (PLN 361m), construction of the flue gases NO<sub>x</sub> emission reduction system and upgrades of the 200 MW units at Jaworzno III Power Plant (PLN 10m)
- construction of new 50 MW cogeneration capacity at EC Tychy (PLN 107m), construction and upgrade of district heating networks (PLN 28m), adaptation of the ZW Katowice heat source to the heat market needs past 2015 (PLN 9m)
- hydroelectric power plants upgrade (PLN 7m)

#### Distribution:

- construction of new connections (PLN 277m)
- grid assets upgrades and replacement (PLN 387m)

## Efficiency improvement program



Segment	Savings realized in H1 2016	Savings planned in 2016-2018	Progress %	Main initiatives
Mining	PLN 77m	PLN 255m	30%	<ul> <li>Employment restructuring, reduction of labor costs and increasing their flexibility, organizational measures</li> <li>Use of electronic auctions in the purchasing process</li> <li>CAPEX plan optimization</li> </ul>
Generation (including RES and Heat)	PLN 64m	PLN 367m	17%	<ul> <li>Optimization of upgrades and of other asset maintenance costs</li> <li>Employment restructuring</li> <li>Purchasing efficiency improvement</li> <li>Optimization of the carburizing and de-ashing systems' operation services</li> <li>Maintenance services costs control</li> <li>CAPEX plan optimization</li> </ul>
Distribution	PLN 39m	PLN 390m	10%	<ul> <li>Reorganization and employment restructuring</li> <li>Asset maintenance costs control</li> <li>Purchasing efficiency improvement</li> <li>Outsourcing of the storage services</li> <li>Sale of redundant real estate</li> </ul>
Other	PLN 22m	PLN 291m	8%	<ul> <li>Employment restructuring,</li> <li>Reduction of the scope of IT services</li> <li>Customer service costs and overhead (administration) costs control</li> <li>Optimization of the costs of promotional and sponsoring activities</li> </ul>
Total	PLN 202m	PLN 1 303m	15%	

• In H1 2016 under the Voluntary Redundancy Program TAURON Group's headcount was reduced by 254 FTEs. Savings resulting from redundancies, decreased by the costs incurred to generate these savings, are included in the amounts presented per segment.

# Thank you – Q & A



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## Electricity market price trends



Electricity							
Diotforms TOT TTO OTI	20	15	2016 (until J	uly 19, 2016)	2016/2015 (un	2016/2015 (until July 19, 2016)	
Platforms: TGE, TFS, GFI, GPW-POEE	Price (PLN/MWh)	Volume (GWh)	Price (PLN/MWh)	Volume (GWh)	Price %	Volume %	
Forward BASE (Y+Q+M)	167.51	201 870	166.10	182 751	-1.0%	-9.5%	
Forward PEAK (Y+Q+M)	215.96	17 866	210.82	21 660	-2.4%	+21.2%	
Forward (weighted average)	171.45	219 737	170.83	204 410	-0.4%	-7.0%	
SPOT (TGE)	156.40	25 102	159.91 (forecast)	26 000	+2.2%	+3.6%	
Total weighted average	169.90	244 839	169.60	230 410	-0.2%	-5.9%	

Property rights (PLN/MWh)						
Certificate type	Market prices (H1- 2016 average)	Substitution fee and obligation for:				
	2010 average)	2015	2016			
RES (PMOZE_A)	101.95 303.03 (14.0%) 30		300.03 (15.0%)			
Coal cogeneration (PMEC-2015)	10.76	11.00 (23.2%)	11.00 (23.2%)			
Gas cogeneration (PMGM-2015)	118.85	121.63 (4.9%)	125.00 (6.0%)			
Methane (PMMET-2015)	62.24	63.26 (1.3%)	63.00 (1.5%)			

CO <sub>2</sub> emission allowances(EUA/t)		
CO <sub>2</sub> market analysts survey* (updated in July 2016)	Price (EUR/t)	
2016 average	6.02 EUR/t	
2017 average	6.78 EUR/t	
2018 average	7.10 EUR/t	
2016 average forecast by TAURON (**updated in July 2016)	5.70 – 6.00 EUR/t	

<sup>\*</sup> Sources: Point Carbon, BNEF, Consus, GDF SUEZ Trading, HSE, Mkonline, Societe Generale, TAURON

<sup>\*\*</sup> Average price in January - June 2016 + TPE analysts' adjustment

### 2016 BASE contracts





		Average price [PLN/MWh]	Volume [GWh]
To	otal	166.47	147 923
including	TGE	166.12	115 729
	non TGE	167.70	32 193

Average electricity price that takes into account 2016 one year BASE and PEAK contracts: PLN 171.08/MWh, total 2016 BASE and PEAK volume: 164 728 GWh

### 2017 BASE contracts



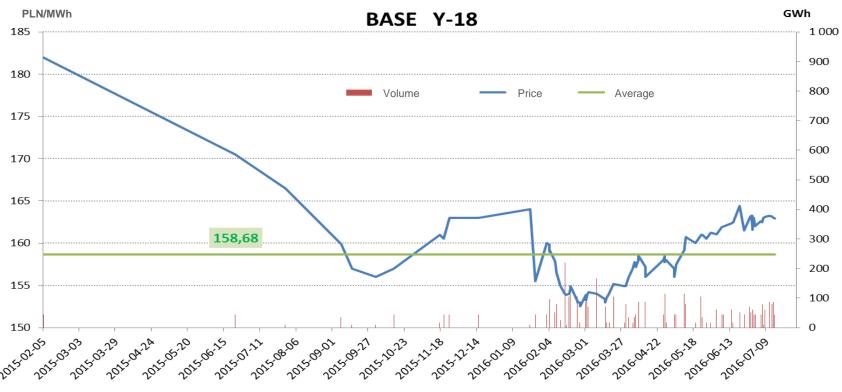


		Average price [PLN/MWh]	Volume [GWh]
To	otal	160.69	46 936
including	TGE	159.91	31 396
	non TGE	162.25	15 540

Average electricity price that takes into account 2017 one year BASE and PEAK contracts: PLN 163.85/MWh, total 2017 BASE and PEAK volume: 50 140 GWh

### 2018 BASE contracts





		Average price [PLN/MWh]	Volume [GWh]
To	otal	158.68	5 484
including	TGE	158.34	3 171
	non TGE	159.15	2 313

Average electricity price that takes into account 2018 one year BASE and PEAK contracts: PLN 161.01/MWh, total 2018 BASE and PEAK volume: 5 722 GWh

# Analysts covering TAURON



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# Thank you for your attention